

# VILLAGE OF FOREST VIEW

## CONCRETE CONSTRUCTION REQUIREMENTS

### **A PERMIT IS REQUIRED...**

- \* To install, alter, or replace concrete (including stairs, private walks, public walks,

### **A PERMIT APPLICATION FOR CONCRETE CONSTRUCTION INCLUDES...**

- \* A completed concrete permit application.
- \* A recent plat of survey drawn to scale showing location of concrete, and size and dimensions to the property lines.
- \* **A complete description of location and specifications.**

### **CONCRETE CONSTRUCTION DEPTH REQUIREMENTS**

- \* **Sidewalks** - require a minimum of 4-6" of compacted gravel and 4" of concrete.
- \* **Garage Slab** - require a minimum of 5" of concrete with welded wire fabric over a minimum of 4-6" of compacted gravel. Slope slab a minimum of 2" towards the overhead garage door. Provide one layer of 6 mil vapor barrier (lapped 6' minimum) over compacted gravel. 3/8" minimum reinforcing bars are required every 12 inches along any foundation wall where there will be vehicular traffic.
- \* **Driveways** - require a minimum 5" thick concrete with welded wire fabric placed on 4" minimum well compacted gravel base. Reinforcing bars required every 12" along foundation walls where vehicular traffic will be present.
- \* **Driveway Approach** - require a minimum of 6" thick concrete with welded wire fabric placed on 4" minimum well compacted gravel base. Main walk must be 6" thick concrete at driveway and approach.
  
- \* **Foundation walls** - require 8" minimum thick concrete for frame construction and includes 2-#4 continuous T. & B. Reinforcing Bars. 10" minimum thick concrete required for brick veneer construction. All anchor bolts shall be 1/2" round, 7" embedment, 6'-0" o.c. (maximum spacing), 12" from each corner, and 2" minimum per sill plate.
- \* **Garage Floor Slab** - require 5" minimum thickness for frame construction with welded wire fabric placed on 4" minimum thick well compacted gravel fill. Slope slab toward overhead door a minimum of 2". Provide one layer of 6 mil vapor barrier (lapped 6" minimum at all joints) over compacted gravel. Reinforcing bars required a minimum every 12" to foundation walls for attached garages.
- \* **Patio Slab** - require 4" thick minimum concrete with welded wire fabric over 4" minimum thick compacted gravel fill. Slope slab away from building.
- \* **Porches and Stoops** - require 4" minimum thick concrete with welded wire fabric over 4" minimum thick compacted gravel fill. Slope slab away from the building.
- \* **Post Holes** - 12" diameter, 42" minimum depth below finished grade and 2" minimum above grade. **Fence post** hole minimum depth is 36" below finished grade and the diameter of hole should be 3 times the width of the fence post.

**WALKS-PUBLIC** - are required to consist of:

1. 2x6 form boards, no 2x4 forms are allowed.
2. Width 5'0"
3. 5" thick concrete on 5" thick minimum compacted CA-10 or CA-6 gravel fill.
4. 6" thick concrete at driveway, with welded wire fabric.
5. 5'0" on center construction joints.
6. 1'2" thick minimum at all expansion joints.
7. Slope 1/4" per foot toward curb.
8. Wire fabric required throughout driveway.
9. Driveway apron - 6" thick concrete with welded wire fabric.
10. Accessibility required at corner lot intersections with detectable warning tiles.

**WALKS-SERVICE** - require 4" minimum thick concrete over 4" minimum thick compacted gravel fill. All sloping walks or driveways should be no greater than 1/4" per foot.

**NOTES:**

**DEBRIS** - shall be removed in all areas of concrete placement.

**FROST** - shall be removed completely. No concrete shall be poured when frost is present in area of placement.

**WATER** - All water shall be removed prior to concrete placement.

**WELDED WIRE FABRIC** - shall be lapped a minimum of one mesh, or 6", and be wired together to avoid displacement.

**CONCRETE DEPTHS**

**PRIVATE SIDEWALK - 4"**

**GARAGE - 5"**

**APRON - 5-6"**

**COMPACTED GRAVEL FILL - minimum 4-6"**

**FULL PERIMETER 12X12 BELOW GRADE FOOTINGS FOR GARAGE**

**WIRE MESH NOT REQUIRED AT APRON BY ALLEY**

**FULL EXPANSION JOINTS FROM PUBLIC TO PRIVATE CONCRETE**

**PUBLIC SIDEWALK 5" MINIMUM CONCRETE**

### **Concrete Construction Process**

\* Once **ALL** required documents have been turned in and the permit application and plans have been approved and if required J.U.L.I.E. has located all utilities the homeowner/contractor may begin the construction process.

\* **2 inspections** are required with all concrete construction permits. 24 Hours are required to schedule either inspection.

1. Prepour- To measure depth and check location of concrete to be poured.
2. A final inspection upon completion of the concrete work.

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**To Schedule an INSPECTION: CALL THE BUILDING DEPARTMENT 708-788-3429**

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**NOTE: Ways to notify J.U.L.I.E. to locate utilities before digging. 48 hour or two business day notice required.**

1. Call 811 or 1-800-892-0123
2. Online via E-Request at [www.illinois1call.com](http://www.illinois1call.com)
3. Online via Remote Ticket Entry (RTE) The training and required software are free at [www.illinois1call.com](http://www.illinois1call.com)
4. Fax-a-Locate Program (which requires a 72 hour advance notice) at 815-741-5002.

Village of FOREST VIEW  
Email: [jbrniak@forestview-il.org](mailto:jbrniak@forestview-il.org)

7000 46th. St.  
Ph: 708-788-3429

